

Notice of Allowability

Application No.

10/052,917

Examiner

Anthony Sol

Applicant(s)

GULATI ET AL.

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 8/29/2007.
2. ☒ The allowed claim(s) is/are 1-16, 18 and 19, renumbered 1-18, respectively.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

- Applicant's Amendment filed 8/29/2007 is acknowledged.
- Claims 1, 14, 18, and 19 have been amended.
- Claim 17 has been canceled.
- Claims 1-16, 18, and 20 are pending.

Allowable Subject Matter

1. Claim 1-16 and 18-20 are allowed.
2. The following is an examiner's statement of reasons for allowance:

Regarding claim 1,

The prior art of record does not teach or fairly suggest a method of discovering neighbors of each node in the network of connected nodes and link status with a signaling and routing protocol, distributing routing topology information and optimal route determination with the signaling and routing protocol, wherein the route is defined explicitly, automatically through the signaling and routing protocol, and in combinations thereof, and in which a permanent sub-network connection comprises a permanent grouping of one or more paths that pass through a node in the network which is set up and torn down with the signaling and routing protocol.

Regarding claim 14,

The prior art of record does not teach or fairly suggest a method of discovering neighbors of each node in the network of connected nodes and link status with a signaling and routing protocol, distributing routing topology information and optimal route determination with the signaling and routing protocol, storing route information associated -with a permanent sub-net-work connection prior to tear down such that at a time for restoring the permanent sub-network connection, no optimal routing determination is required, wherein the route information is received from the signaling and routing protocol, and in which the permanent sub-network connection comprises a permanent grouping of one or more paths that pass through a node in the network which is set up and torn down with the signaling and routing protocol.

Regarding claim 18,

The prior art of record does not teach or fairly suggest a method of discovering neighbors of each node in the network of connected nodes and link status with a signaling and routing protocol, distributing routing topology information and optimal route determination with the signaling and routing protocol, detecting a failure in a path in the network using the signaling and routing protocol, determining if the path includes a permanent sub-network connection responsive to the routing topology information, wherein a permanent sub-network connection comprises a permanent grouping of one or more paths

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that pass through a node in the network which is set up and torn down with the signaling and routing protocol.

Regarding claim 19,

The prior art of record does not teach or fairly suggest a method of discovering neighbors of each node in the network of connected nodes and link status with a signaling and routing protocol, distributing routing topology information and optimal route determination with the signaling and routing protocol, detecting a failure in a path in the network using the signaling and routing protocol, immediately clearing resources for all sub-network connections traversing the path using the signaling and routing protocol, wherein a permanent sub-network connection comprises a permanent grouping of one or more paths that pass through a node in the network which is set up and torn down with the signaling and routing protocol.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anthony Sol whose telephone number is (571) 272-5949. The examiner can normally be reached on M-F 7:30am - 4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wing Chan can be reached on (571) 272-7493. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


WING CHAN
SUPERVISORY PATENT EXAMINER
9/10/07

AMS

9/10/2007